

## FW: East Hennepin Avenue Site - 2013 Annual Report and 2013 Monitoring Well Sealing Report

Evison, Leah (MPCA) <leah.evison@state.mn.us>

Mon 3/3/2014 2:34 PM

To: Evison, Leah <evison.leah@epa.gov>;

2 attachments (3 MB)

2013 Annual Report.pdf; 2013 Monitoring Well Sealing Report.pdf;

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**From:** Campbell, Fred (MPCA)  
**Sent:** Monday, March 03, 2014 2:31 PM  
**To:** Evison, Leah (MPCA)  
**Subject:** FW: East Hennepin Avenue Site - 2013 Annual Report and 2013 Monitoring Well Sealing Report

FYI

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**From:** Sara J. Ramsden [<mailto:SRamsden@barr.com>]  
**Sent:** Friday, February 28, 2014 10:49 AM  
**To:** Olson, Edward (MPCA)  
**Cc:** Campbell, Fred (MPCA); Larry Deeney ([Larry.Deeney@genmills.com](mailto:Larry.Deeney@genmills.com)); Neve, Hans (MPCA); Mary Sands; Allan Gebhard  
**Subject:** East Hennepin Avenue Site - 2013 Annual Report and 2013 Monitoring Well Sealing Report

Ed:

Please find attached two reports for the above-referenced Site – the 2013 Annual Report and the 2013 Monitoring Well Sealing Report.

Thanks,  
Sara

Sara J. Ramsden, PE

Environmental Engineer  
Minneapolis office: 952.832.2877  
cell: 612.306.0949  
[sramsden@barr.com](mailto:sramsden@barr.com)  
[www.barr.com](http://www.barr.com)



February 28, 2014

Mr. Ed Olson  
Minnesota Pollution Control Agency  
520 Lafayette Road  
St. Paul, Minnesota 55155

**Re: 2013 Annual Report  
East Hennepin Avenue Site, Minneapolis, Minnesota**

Dear Mr. Olson:

On behalf of General Mills, Inc., Barr Engineering Co. has prepared this letter report for the East Hennepin Avenue site located at 2010 East Hennepin Avenue in Minneapolis, Minnesota (the Site). This letter is submitted to MPCA pursuant to the requirements of the October 23, 1984 Response Order by Consent (the "Order") and summarizes investigation and removal action activities conducted at the Site during 2013. This letter constitutes the 2013 Annual Report as required by Order and the Remedial Action Plan.

The following provides a brief summary of investigation and removal action work conducted at the Site during 2013. Work performed in 2013 under MPCA oversight focused primarily on evaluation of the extent of potential migration of TCE in soil gas from General Mills' former facility at 2010 East Hennepin, and commencing sub-slab sampling and mitigation to prevent potential vapor intrusion into homes and buildings in the vicinity of the Site. This Annual Report includes only work conducted during 2013. The Sub-Slab Sampling and Building Mitigation Work Plan effort remains ongoing under MPCA oversight. Specifically, General Mills' activities in 2013 included the following:

**Vapor intrusion investigations**

- Phase 2C Vapor Intrusion Investigation – work was conducted in December 2012. This work was conducted pursuant to the Technical Memoranda submitted to MPCA on June 20, 2012 and approved by MPCA with modifications on December 2, 2012. This work included 11 direct push soil borings in right-of-way locations, and field screening of soil samples, and laboratory analysis of groundwater and soil gas samples. The results of this work were presented and summarized in a letter report dated April 19, 2013, and submitted to MPCA.
- Preliminary Phase 2D Vapor Intrusion Investigation – the preliminary round of sampling was conducted in June and July 2013. The purpose of this work was to verify that passive soil sampling as presented in work plan dated May 22, 2013, and approved by MPCA with modifications on June 10, 2013, was a viable technology for identifying areas of elevated TCE concentrations in soil gas. This investigation, which was conducted at MPCA's recommendation, showed that passive soil gas sampling appeared useful in identifying potential elevated levels of TCE in soil gas to depths of four feet below ground surface, but did not appear useful for

identifying potential elevated levels of TCE in soil gas at depths below four feet. This investigation included installation of 12 passive soil gas samplers at 11 locations. The results of this work were presented and summarized in a letter report to MPCA dated August 29, 2013.

- Phase 2E Vapor Intrusion Investigation – work was conducted in September 2013 pursuant to work plan dated August 29, 2013 and approved by MPCA on September 5, 2013. The purpose of this work was to further evaluate soil vapor conditions at the Site. This work included soil gas sampling at eight-foot depths at 26 locations and collection of groundwater samples from 10 of the 26 locations. The results of this investigation were presented and summarized in a letter report to MPCA dated November 11, 2013.
- Based on the results of the Vapor Intrusion Investigations, Barr Engineering on behalf of General Mills prepared and submitted a Sub-slab Sampling and Building Mitigation Work Plan to MPCA in November 2013 and a Quality Assurance Project Plan in December 2013. The objective of this work is to collect sub-slab soil gas samples beneath occupied buildings within the Study Area to identify properties with soil gas above 10 times MPCA's Intrusion Screening Value for TCE and provide mitigation systems to those properties. Sampling activities pursuant to these MPCA-approved plans commenced in mid-November 2013.

**Well sealing** – Eleven groundwater monitoring wells associated with the Site were sealed in August 2013, as approved by the MPCA. This work was planned in response to May 7, 2013 email communication from MPCA concurring with recommendations provided in the *2012 Annual Report* dated February 2013 (Annual Report) to permanently seal all Carimona Member monitoring wells and one Magnolia Member monitoring well. The work was completed as planned in the *2013 Monitoring Well Sealing* work plan dated August 8, 2013, and approved by Fred Campbell of the MPCA in an August 15, 2013 e-mail. A letter report summarizing the well sealing work dated February 27, 2014, was submitted to the MPCA.

**Pump-out system reporting** – The groundwater pump-out and treatment systems remained shut down in 2013. Submittal of quarterly “No Discharge” Discharge Monitoring Reports (DMRs) continued in 2013 under the National Pollutant Discharge Elimination System (NPDES) permit for the Site (MN0056022). The Minnesota Department of Natural Resources water appropriations permit is being maintained while the groundwater pump-out system is idle.

Please contact me at (952) 832-2877 or [sramsd@barr.com](mailto:sramsd@barr.com) with any questions on the information contained in this letter.

Sincerely,



Sara Ramsden, P.E.  
Project Manager

cc: Fred Campbell, MPCA  
Larry Deeney, General Mills

February 28, 2014

Mr. Ed Olson  
Minnesota Pollution Control Agency  
520 Lafayette Road  
St. Paul, Minnesota 55155

**Re: 2013 Monitoring Well Sealing Report  
East Hennepin Avenue Site, Minneapolis, Minnesota**

Dear Mr. Olson:

On behalf of General Mills, Inc., Barr Engineering Co. has prepared this monitoring well sealing report for the East Hennepin Avenue site located at 2010 East Hennepin Avenue in Minneapolis, Minnesota (the Site). This work was planned in response to the email communication from Gary Krueger, MPCA, dated May 7, 2013 concurring with recommendations provided in the *2012 Annual Report* dated February 2013 (2012 Annual Report) to permanently seal all Carimona Member monitoring wells and one Magnolia Member monitoring well. The work was completed as planned in the *2013 Monitoring Well Sealing Work Plan* dated August 8, 2013, and approved by Fred Campbell, MPCA, in an e-mail dated August 15, 2013.

The Site location and the location of the 11 monitoring wells which were permanently sealed are shown on Figure 1. Background information and other information relating to these wells and the Site can be found in the work plan and the 2012 Annual Report.

**Well Sealing**

Well sealing work was completed August 22, 2013, by T.L. Stevens Well Company in accordance with the Minnesota Department of Health (MDH) well code, City of Minneapolis (City) requirements, and the *2013 Well Sealing Work Plan*.

The well sealing was overseen by Barr and included the following: All protective casing and riser pipe were removed above grade in accordance with MDH well code and/or City requirements and were sealed by pressure grouting through a tremie pipe from the bottom of the well up with neat cement grout. Bumper posts were removed where present and the ground surface restored by backfilling with black dirt and sowing grass seed or other landscaping as appropriate.

Well Sealing Records are included as Attachment 1.

Please contact me at (952) 832-2877 or [sramsdn@barr.com](mailto:sramsdn@barr.com) with any questions on the information contained in this letter.

Sincerely,

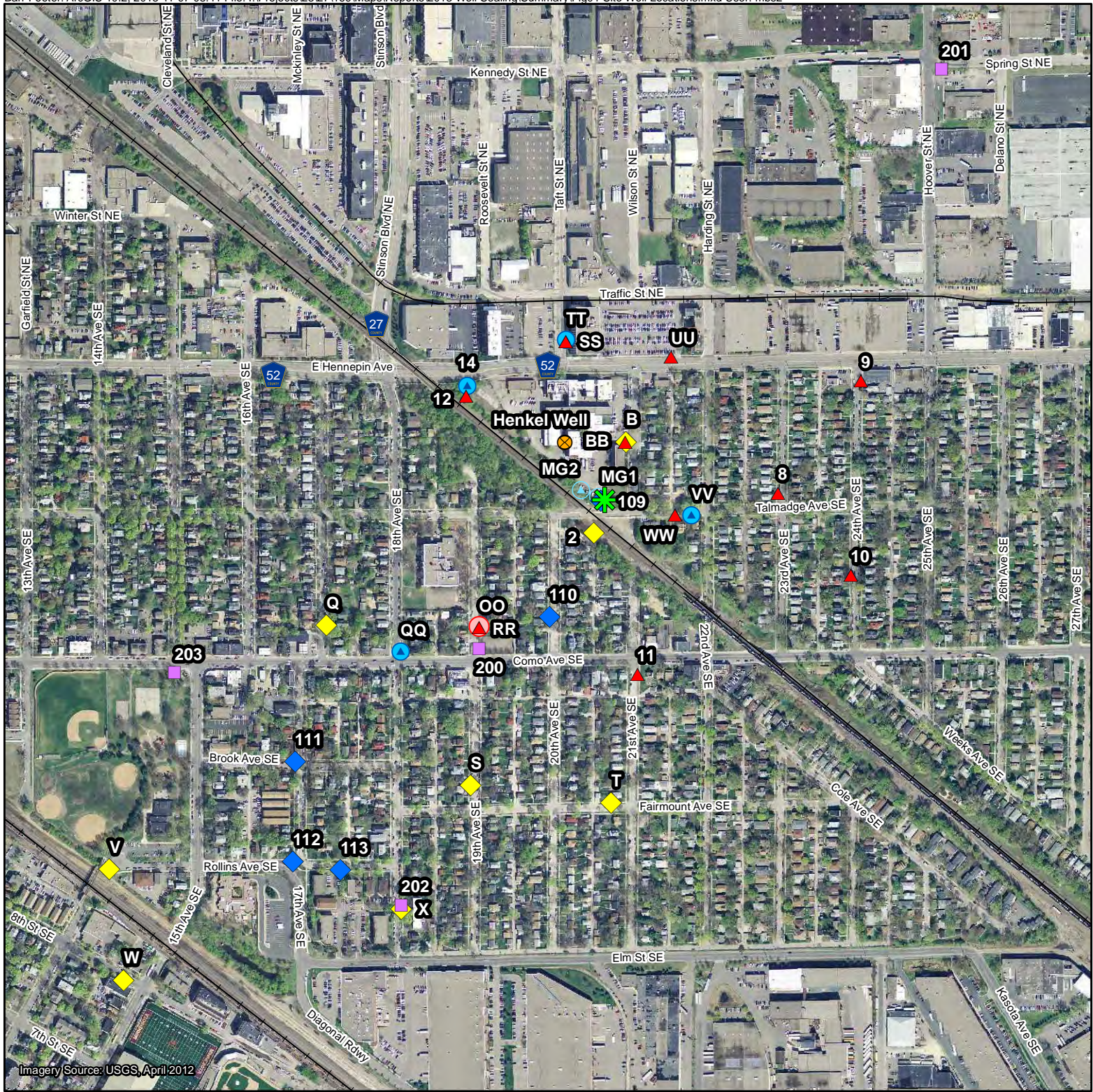
A handwritten signature in black ink that reads "Sara Ramsden". The script is cursive and fluid, with the first name "Sara" and last name "Ramsden" clearly legible.









Sara Ramsden, P.E.  
Project Manager

Enclosures  
Figure 1 – Site Well Locations  
Attachment 1 – Well Sealing Records

cc: Fred Campbell, MPCA  
Larry Deeney, General Mills





-  Former Disposal Site
-  Magnolia Member Well (Sealed)
-  Carimona Member Well (Sealed)
-  Glacial Drift Pump-Out Well
-  Glacial Drift Well
-  Magnolia Member Well
-  Magnolia Member Pump-Out Well
-  Prairie du Chien Well
-  St. Peter Sandstone Well



0 300 600 1,200  
Feet

Figure 1

SITE WELL LOCATIONS  
East Hennepin Avenue Site  
Minneapolis, Minnesota

Note: Wells BB and UU were constructed across both the Carimona and Magnolia members, but were grouped with the Carimona wells.



WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

H 316732

Township Name <b>Minneapolis</b>	Township No. <b>29</b>	Range No. <b>23</b>	Section No. <b>19</b>	Fraction (sm. → lg.) <b>NE NE NE</b>	Date Sealed <b>08/22/2013</b>	Date Well or Boring Constructed <b>Unknown</b>
GPS LOCATION: Latitude _____ degrees _____ minutes _____ seconds Longitude _____ degrees _____ minutes _____ seconds					Depth Before Sealing <b>60</b> ft.	Original Depth <b>Unknown</b> ft.
Numerical Street Address or Fire Number and City of Well or Boring Location <b>1061 23rd Avenue SE Minneapolis MN 55413</b>					STATIC WATER LEVEL <input checked="" type="checkbox"/> Measured <input type="checkbox"/> Estimated Date Measured <b>08/22/2013</b>	
Show exact location of well or boring in section grid with "X." <p>Well: 8 See attached map</p>					<input type="checkbox"/> Water-Supply Well <input checked="" type="checkbox"/> Monit. Well <input type="checkbox"/> Env. Bore Hole <input type="checkbox"/> Other _____ <b>26</b> ft. <input checked="" type="checkbox"/> below <input type="checkbox"/> above land surface	
PROPERTY OWNER'S NAME/COMPANY NAME <b>City of Minneapolis</b>					CASING TYPE(S) <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Plastic <input type="checkbox"/> Tile <input type="checkbox"/> Other _____	
Property owner's mailing address if different than well location address indicated above <b>250 South 4th Street Minneapolis MN 55415</b>					WELLHEAD COMPLETION Outside: <input type="checkbox"/> Well House <input type="checkbox"/> At Grade <input type="checkbox"/> Pitless Adapter/Unit <input type="checkbox"/> Buried <input type="checkbox"/> Well Pit <input checked="" type="checkbox"/> Other <b>Cover pipe</b> Inside: <input type="checkbox"/> Basement Offset <input type="checkbox"/> Well Pit <input type="checkbox"/> Buried <input type="checkbox"/> Other _____	
WELL OWNER'S NAME/COMPANY NAME <b>General Mills</b>					CASING(S) Diameter _____ Depth _____ Set in oversize hole? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Annular space initially grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
Well owner's mailing address if different than property owner's address indicated above <b>Number One General Mills Blvd Minneapolis MN 55426</b>					SCREEN/OPEN HOLE Screen from <b>59</b> to <b>63</b> ft. Open Hole from _____ to _____ ft.	
GEOLOGICAL MATERIAL COLOR HARDNESS OR FORMATION FROM TO					OBSTRUCTIONS <input type="checkbox"/> Rods/Drop Pipe <input type="checkbox"/> Check Valve(s) <input type="checkbox"/> Debris <input type="checkbox"/> Fill <input checked="" type="checkbox"/> No Obstruction Type of Obstructions (Describe) _____	
If not known, indicate estimated formation log from nearby well or boring.					PUMP Type <b>Submersible</b> <input checked="" type="checkbox"/> Removed <input type="checkbox"/> Not Present <input type="checkbox"/> Other _____	
					METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE: <input checked="" type="checkbox"/> No Annular Space Exists <input type="checkbox"/> Annular Space Grouted with Tremie Pipe <input type="checkbox"/> Casing Perforation/Removal _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed Type of Perforator _____ <input type="checkbox"/> Other _____	
					GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.) Grouting Material <b>Cement</b> from <b>0</b> to <b>63</b> ft. _____ yards <b>8</b> bags _____ from _____ to _____ ft. _____ yards _____ bags _____ from _____ to _____ ft. _____ yards _____ bags	
REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING					OTHER WELLS AND BORINGS Other unsealed and unused well or boring on property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How many? _____	
					LICENSED OR REGISTERED CONTRACTOR CERTIFICATION This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge. <b>T.L. Stevens Well Company</b> Licensee Business Name License or Registration No. <b>1838</b> Certified Representative Signature Certified Rep. No. <b>898</b> Date <b>11/06/2013</b> <b>Joe Stevens</b> Name of Person Sealing Well or Boring	
MINN. DEPT OF HEALTH COPY H 316732						



WELL OR BORING LOCATION

County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

H **316733**

Township Name <b>Minneapolis</b>	Township No. <b>29</b>	Range No. <b>23</b>	Section No. <b>19</b>	Fraction (sm. → lg.) <b>NE NE NE</b>	Date Sealed <b>08/22/2013</b>	Date Well or Boring Constructed <b>Unknown</b>
GPS LOCATION: Latitude _____ degrees _____ minutes _____ seconds Longitude _____ degrees _____ minutes _____ seconds					Depth Before Sealing <b>63</b> ft. Original Depth <b>Unknown</b>	
Numerical Street Address or Fire Number and City of Well or Boring Location <b>2400 Hennepin Avenue East Minneapolis MN 55413</b>					AQUIFER(S) <input checked="" type="checkbox"/> Single Aquifer <input type="checkbox"/> Multiaquifer WELL/BORING <input type="checkbox"/> Water-Supply Well <input checked="" type="checkbox"/> Monit. Well <input type="checkbox"/> Env. Bore Hole <input type="checkbox"/> Other _____	
Show exact location of well or boring in section grid with "X." 					Sketch map of well or boring location, showing property lines, roads, and buildings. <b>Well: 9</b> <b>See attached map</b>	
PROPERTY OWNER'S NAME/COMPANY NAME <b>City Of Minneapolis</b> Property owner's mailing address if different than well location address indicated above <b>250 South 4th Street Minneapolis MN 55415</b>					CASING(S) Diameter _____ in. from <b>0</b> to <b>59</b> ft.   Set in oversize hole? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   Annular space initially grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown _____ in. from _____ to _____ ft. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown _____ in. from _____ to _____ ft. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
WELL OWNER'S NAME/COMPANY NAME <b>General Mills</b> Well owner's mailing address if different than property owner's address indicated above <b>Number One General Mills Blvd Minneapolis MN 55426</b>					SCREEN/OPEN HOLE Screen from <b>59</b> to <b>63</b> ft.   Open Hole from _____ to _____ ft.	
GEOLOGICAL MATERIAL   COLOR   HARDNESS OR FORMATION   FROM   TO If not known, indicate estimated formation log from nearby well or boring.					OBSTRUCTIONS <input type="checkbox"/> Rods/Drop Pipe <input type="checkbox"/> Check Valve(s) <input type="checkbox"/> Debris <input type="checkbox"/> Fill <input checked="" type="checkbox"/> No Obstruction Type of Obstructions (Describe) _____	
PUMP Type _____ <input type="checkbox"/> Removed <input checked="" type="checkbox"/> Not Present <input type="checkbox"/> Other _____					METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE: <input checked="" type="checkbox"/> No Annular Space Exists <input type="checkbox"/> Annular Space Grouted with Tremie Pipe <input type="checkbox"/> Casing Perforation/Removal _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed Type of Perforator: _____ <input type="checkbox"/> Other _____	
REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING					GROUTING MATERIAL(S)   (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.) Grouting Material <b>Cement</b> from <b>0</b> to <b>63</b> ft. _____ yards <b>8</b> bags _____ from _____ to _____ ft. _____ yards _____ bags _____ from _____ to _____ ft. _____ yards _____ bags	
OTHER WELLS AND BORINGS Other unsealed and unused well or boring on property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   How many? _____					LICENSED OR REGISTERED CONTRACTOR CERTIFICATION This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.	
T.L. Stevens Well Company Licensee Business Name					1838 License or Registration No.	
Joe Stevens Name of Person Sealing Well or Boring					898   11/06/2013 Certified Rep. No.   Date	

WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

H 316734

Township Name <b>Minneapolis</b>	Township No. <b>29</b>	Range No. <b>23</b>	Section No. <b>19</b>	Fraction (sm. → lg.) <b>SE NE NW</b>	Date Sealed <b>08/22/2013</b>	Date Well or Boring Constructed <b>Unknown</b>
GPS LOCATION: Latitude _____ degrees _____ minutes _____ seconds Longitude _____ degrees _____ minutes _____ seconds					Depth Before Sealing <b>63</b> ft.	Original Depth <b>Unknown</b> ft.
Numerical Street Address or Fire Number and City of Well or Boring Location <b>1037 24th Avenue SE Minneapolis MN 55414</b> Show exact location of well or boring in section grid with "X."  Sketch map of well or boring location, showing property lines, roads, and buildings. <b>Well: 10</b> <b>See attached map</b>					AQUIFER(S) <input checked="" type="checkbox"/> Single Aquifer <input type="checkbox"/> Multiaquifer WELL/BORING <input type="checkbox"/> Water-Supply Well <input checked="" type="checkbox"/> Monit. Well <input type="checkbox"/> Env. Bore Hole <input type="checkbox"/> Other	
					STATIC WATER LEVEL <input checked="" type="checkbox"/> Measured <input type="checkbox"/> Estimated Date Measured <b>08/22/2013</b> <b>24</b> ft. <input checked="" type="checkbox"/> below <input type="checkbox"/> above land surface	
					CASING TYPE(S) <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Plastic <input type="checkbox"/> Tile <input type="checkbox"/> Other	
					WELLHEAD COMPLETION Outside: <input type="checkbox"/> Well House <input type="checkbox"/> At Grade <input type="checkbox"/> Pitless Adapter/Unit <input type="checkbox"/> Buried <input type="checkbox"/> Well Pit <input checked="" type="checkbox"/> Other <b>Cover pipe</b> Inside: <input type="checkbox"/> Basement Offset <input type="checkbox"/> Well Pit <input type="checkbox"/> Buried <input type="checkbox"/> Other	
PROPERTY OWNER'S NAME/COMPANY NAME <b>City Of Minneapolis</b> Property owner's mailing address if different than well location address indicated above <b>250 South 4th Street Minneapolis MN 55415</b>					CASING(S) Diameter _____ Depth _____ Set in oversize hole? _____ Annular space initially grouted? _____ <b>4</b> in. from <b>0</b> to <b>60</b> ft. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown _____ in. from _____ to _____ ft. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown _____ in. from _____ to _____ ft. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
WELL OWNER'S NAME/COMPANY NAME <b>General Mills</b> Well owner's mailing address if different than property owner's address indicated above <b>Number One General Mills Blvd Minneapolis MN 55426</b>					SCREEN/OPEN HOLE Screen from <b>50</b> to <b>63</b> ft. Open Hole from _____ to _____ ft.	
GEOLOGICAL MATERIAL COLOR HARDNESS OR FORMATION FROM TO					OBSTRUCTIONS <input type="checkbox"/> Rods/Drop Pipe <input type="checkbox"/> Check Valve(s) <input type="checkbox"/> Debris <input type="checkbox"/> Fill <input checked="" type="checkbox"/> No Obstruction Type of Obstructions (Describe) _____ Obstructions removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____	
If not known, indicate estimated formation log from nearby well or boring.					PUMP Type _____ <input type="checkbox"/> Removed <input checked="" type="checkbox"/> Not Present <input type="checkbox"/> Other _____	
					METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE: <input checked="" type="checkbox"/> No Annular Space Exists <input type="checkbox"/> Annular Space Grouted with Tremie Pipe <input type="checkbox"/> Casing Perforation/Removal _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed Type of Perforator _____ <input type="checkbox"/> Other _____	
					GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.) Grouting Material <b>Cement</b> from <b>0</b> to <b>63</b> ft. _____ yards <b>6</b> bags _____ from _____ to _____ ft. _____ yards _____ bags _____ from _____ to _____ ft. _____ yards _____ bags	
REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING					OTHER WELLS AND BORINGS Other unsealed and unused well or boring on property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How many? _____ LICENSED OR REGISTERED CONTRACTOR CERTIFICATION This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge. <b>T.L. Stevens Well Company</b> 1838 Licensee Business Name License or Registration No.  898 11/06/2013 Certified Representative Signature Certified Rep. No. Date <b>Joe Stevens</b> Name of Person Sealing Well or Boring	

MINN. DEPT OF HEALTH COPY

H 316734



5/12R



WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

**H 316736**  
**122204**

Township Name **Minneapolis** Township No. **29** Range No. **23** Section No. **19** Fraction (sm. → lg.) **NW NW NW** Date Sealed **08/22/2013** Date Well or Boring Constructed **Nov. 1983**

GPS LOCATION: Latitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds  
Longitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds

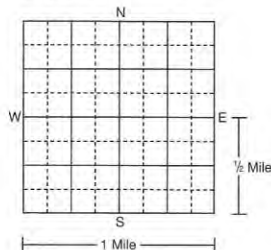
Depth Before Sealing **60** ft. Original Depth **60** ft.

Numerical Street Address or Fire Number and City of Well or Boring Location

**2010 Hennepin Avenue East  
Minneapolis MN 55413**

Show exact location of well or boring  
in section grid with "X."

Sketch map of well or boring  
location, showing property  
lines, roads, and buildings.



Well: **12**

See attached map

AQUIFER(S)  
☒ Single Aquifer ☐ Multiaquifer

WELL/BORING  
☐ Water-Supply Well ☒ Monit. Well  
☐ Env. Bore Hole ☐ Other \_\_\_\_\_

STATIC WATER LEVEL  
☒ Measured ☐ Estimated Date Measured **08/22/2013**

**25** ft. ☒ below ☐ above land surface

CASING TYPE(S)

☒ Steel ☐ Plastic ☐ Tile ☐ Other \_\_\_\_\_

WELLHEAD COMPLETION

Outside: ☐ Well House ☐ At Grade ☐ Pitless Adapter/Unit ☐ Buried  
☐ Well Pit  
☒ Other **Cover pipe**

Inside: ☐ Basement Offset  
☐ Well Pit  
☐ Buried  
☐ Other \_\_\_\_\_

PROPERTY OWNER'S NAME/COMPANY NAME  
**City Of Minneapolis**

Property owner's mailing address if different than well location address indicated above

**250 South 4th Street  
Minneapolis MN 55415**

CASING(S)

Diameter \_\_\_\_\_ Depth \_\_\_\_\_ Set in oversize hole? ☐ Yes ☒ No Annular space initially grouted? ☐ Yes ☐ No ☒ Unknown

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Yes ☐ No ☐ Yes ☐ No ☐ Unknown

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Yes ☐ No ☐ Yes ☐ No ☐ Unknown

WELL OWNER'S NAME/COMPANY NAME

**General Mills**  
Well owner's mailing address if different than property owner's address indicated above

**Number One General Mills Blvd  
Minneapolis MN 55426**

SCREEN/OPEN HOLE

Screen from **55** to **60** ft. Open Hole from \_\_\_\_\_ to \_\_\_\_\_ ft.

OBSTRUCTIONS

☐ Rods/Drop Pipe ☐ Check Valve(s) ☐ Debris ☐ Fill ☒ No Obstruction

Type of Obstructions (Describe) \_\_\_\_\_

Obstructions removed? ☐ Yes ☐ No Describe \_\_\_\_\_

PUMP

Type \_\_\_\_\_  
☐ Removed ☒ Not Present ☐ Other \_\_\_\_\_

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

☒ No Annular Space Exists ☐ Annular Space Grouted with Tremie Pipe ☐ Casing Perforation/Removal

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed

Type of Perforator \_\_\_\_\_

☐ Other \_\_\_\_\_

GROUTING MATERIAL(S)

(One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material **Cement** from **0** to **60** ft. \_\_\_\_\_ yards **5** bags

\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

OTHER WELLS AND BORINGS

Other unsealed and unused well or boring on property? ☐ Yes ☒ No How many? \_\_\_\_\_

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

**T.L. Stevens Well Company**

**1838**

Licensee Business Name

License or Registration No.

Certified Representative Signature

**898**

Certified Rep. No.

Date

**11/06/2013**

**Joe Stevens**  
Name of Person Sealing Well or Boring

MINN. DEPT OF HEALTH COPY

**H 316736**

WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 1031

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

H 316726

Township Name **Minneapolis** Township No. **29** Range No. **23** Section No. **19** Fraction (sm. → lg.) **SE NE NW**

Date Sealed **08/22/2013** Date Well or Boring Constructed **10/26/1982**

GPS LOCATION: Latitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds  
Longitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds

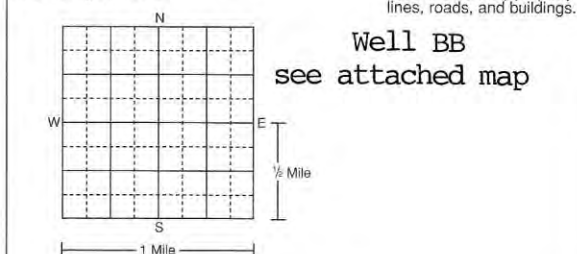
Depth Before Sealing **70** ft. Original Depth **Unknown** ft.

Numerical Street Address or Fire Number and City of Well or Boring Location  
**2010 Hennepin Avenue East  
Minneapolis MN 55413**

AQUIFER(S)  
☒ Single Aquifer ☐ Multiaquifer  
WELL/BORING  
☐ Water-Supply Well ☒ Monit. Well  
☐ Env. Bore Hole ☐ Other \_\_\_\_\_

Show exact location of well or boring in section grid with "X."

STATIC WATER LEVEL  
☒ Measured ☐ Estimated Date Measured **08/22/2013**  
**22** ft. ☒ below ☐ above land surface



CASING TYPE(S)  
☐ Steel ☒ Plastic ☐ Tile ☐ Other \_\_\_\_\_

WELLHEAD COMPLETION  
Outside: ☐ Well House ☐ At Grade ☐ Pitless Adapter/Unit ☐ Buried ☐ Well Pit ☒ Other **Cover pipe**  
Inside: ☐ Basement Offset ☐ Well Pit ☐ Buried ☐ Other \_\_\_\_\_

PROPERTY OWNER'S NAME/COMPANY NAME  
**First & First LLC**  
Property owner's mailing address if different than well location address indicated above  
**Attn: Peter Remes  
1400 Van Buren Street NE #270  
Minneapolis MN 55413**

CASING(S)  
Diameter \_\_\_\_\_ Depth \_\_\_\_\_ Set in oversize hole? ☐ Yes ☒ No Annular space initially grouted? ☐ Yes ☐ No ☒ Unknown  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Yes ☐ No ☐ Yes ☐ No ☐ Unknown  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Yes ☐ No ☐ Yes ☐ No ☐ Unknown

WELL OWNER'S NAME/COMPANY NAME  
**General Mills**  
Well owner's mailing address if different than property owner's address indicated above  
**Number One General Mills Blvd  
Minneapolis MN 55426**

SCREEN/OPEN HOLE  
Screen from **65** to **70** ft. Open Hole from \_\_\_\_\_ to \_\_\_\_\_ ft.

OBSTRUCTIONS  
☐ Rods/Drop Pipe ☐ Check Valve(s) ☐ Debris ☐ Fill ☒ No Obstruction  
Type of Obstructions (Describe) \_\_\_\_\_

GEOLOGICAL MATERIAL COLOR HARDNESS OR FORMATION FROM TO

Obstructions removed? ☐ Yes ☐ No Describe \_\_\_\_\_

If not known, indicate estimated formation log from nearby well or boring.

PUMP  
Type \_\_\_\_\_  
☐ Removed ☒ Not Present ☐ Other \_\_\_\_\_

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:  
☒ No Annular Space Exists ☐ Annular Space Grouted with Tremie Pipe ☐ Casing Perforation/Removal  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed  
Type of Perforator \_\_\_\_\_  
☐ Other \_\_\_\_\_

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)  
Grouting Material **Cement** from **0** to **70** ft. \_\_\_\_\_ yards **1.5** bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

OTHER WELLS AND BORINGS  
Other unsealed and unused well or boring on property? ☐ Yes ☒ No How many? \_\_\_\_\_

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION  
This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

**T.I. Stevens Well Company** 1838  
Licensee Business Name License or Registration No.  
 Certified Representative Signature 898 11/06/2013  
Certified Rep. No. Date  
**Joe Stevens**  
Name of Person Sealing Well or Boring

MINN. DEPT. OF HEALTH COPY H 316726



WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

H **316727**

Township Name <b>Minneapolis</b>	Township No. <b>29</b>	Range No. <b>23</b>	Section No. <b>19</b>	Fraction (sm. → lg.) <b>SW SW NW</b>	Date Sealed <b>08/22/2013</b>	Date Well or Boring Constructed <b>03/17/1982</b>
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GPS LOCATION: Latitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds  
Longitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds

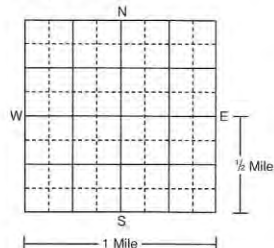
Depth Before Sealing **60** ft. Original Depth **60** ft.

Numerical Street Address or Fire Number and City of Well or Boring Location

**1008 19th Avenue SE  
Minneapolis MN 55414**

Show exact location of well or boring  
in section grid with "X."

Sketch map of well or boring  
location, showing property  
lines, roads, and buildings.



Well: 00  
See attached map

AQUIFER(S)  
☒ Single Aquifer ☐ Multiaquifer

WELL/BORING  
☐ Water-Supply Well ☒ Monit. Well  
☐ Env. Bore Hole ☐ Other \_\_\_\_\_

STATIC WATER LEVEL

☒ Measured ☐ Estimated Date Measured **08/22/2013**

**19** ft. ☒ below ☐ above land surface

CASING TYPE(S)

☐ Steel ☒ Plastic ☐ Tile ☐ Other \_\_\_\_\_

WELLHEAD COMPLETION

Outside: ☐ Well House ☐ At Grade Inside: ☐ Basement Offset

☐ Pitless Adapter/Unit ☐ Buried

☐ Well Pit

☒ Other **Cover pipe**

☐ Well Pit

☐ Buried

☐ Other \_\_\_\_\_

PROPERTY OWNER'S NAME/COMPANY NAME

**City Of Minneapolis**

Property owner's mailing address if different than well location address indicated above

**250 South 4th Street - Room 414  
Minneapolis MN 55415**

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
<b>1.5</b> in. from <b>0</b> to <b>58</b> ft.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
_____ in. from _____ to _____ ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
_____ in. from _____ to _____ ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	

WELL OWNER'S NAME/COMPANY NAME

**General Mills**

Well owner's mailing address if different than property owner's address indicated above

**Number One General Mills Blvd  
Minneapolis MN 55426**

SCREEN/OPEN HOLE

Screen from **58** to **60** ft. Open Hole from \_\_\_\_\_ to \_\_\_\_\_ ft.

OBSTRUCTIONS

☐ Rods/Drop Pipe ☐ Check Valve(s) ☐ Debris ☐ Fill ☒ No Obstruction

Type of Obstructions (Describe)

Obstructions removed? ☐ Yes ☐ No Describe \_\_\_\_\_

PUMP

Type

☐ Removed ☒ Not Present ☐ Other \_\_\_\_\_

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

☒ No Annular Space Exists ☐ Annular Space Grouted with Tremie Pipe ☐ Casing Perforation/Removal  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed

Type of Perforator \_\_\_\_\_

☐ Other \_\_\_\_\_

GROUTING MATERIAL(S)

(One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material **Cement** from **0** to **60** ft. \_\_\_\_\_ yards **3/4** bags

\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

OTHER WELLS AND BORINGS

Other unsealed and unused well or boring on property? ☐ Yes ☒ No How many? \_\_\_\_\_

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

**T.L. Stevens Well Company**

**1838**

Licensee Business Name

License or Registration No.

Certified Representative Signature

**898**

**11/06/2013**

Certified Rep. No.

Date

**Joe Stevens**

Name of Person Sealing Well or Boring

MINN. DEPT. OF HEALTH COPY

H **316727**



WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

H 316728

Township Name	Township No.	Range No.	Section No.	Fraction (sm. → lg.)	Date Sealed	Date Well or Boring Constructed
Minneapolis	29	23	19	SW SW NW	08/22/2013	03/18/1982

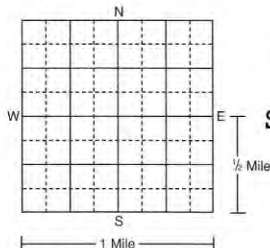
GPS LOCATION: Latitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds  
Longitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds

Numerical Street Address or Fire Number and City of Well or Boring Location

**1008 19th Avenue SE  
Minneapolis MN 55414**

Show exact location of well or boring  
in section grid with "X."

Sketch map of well or boring  
location, showing property  
lines, roads, and buildings.



Well: RR

See attached map

Depth Before Sealing **52** ft. Original Depth **52** ft.

AQUIFER(S)  
☒ Single Aquifer ☐ Multiaquifer

WELL/BORING  
☐ Water-Supply Well ☒ Monit. Well  
☐ Env. Bore Hole ☐ Other

STATIC WATER LEVEL  
☒ Measured ☐ Estimated Date Measured **08/22/2013**

**14** ft. ☒ below ☐ above land surface

CASING TYPE(S)

☐ Steel ☒ Plastic ☐ Tile ☐ Other

WELLHEAD COMPLETION

Outside: ☐ Well House ☐ At Grade ☐ Pitless Adapter/Unit ☐ Buried  
☐ Well Pit ☒ Other **Cover pipe**  
Inside: ☐ Basement Offset ☐ Well Pit ☐ Buried ☐ Other

PROPERTY OWNER'S NAME/COMPANY NAME

**City Of Minneapolis**

Property owner's mailing address if different than well location address indicated above

**250 South 4th Street  
Minneapolis MN 55415**

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
<b>1.5</b> in. from <b>0</b> to <b>50</b> ft.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
_____ in. from _____ to _____ ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
_____ in. from _____ to _____ ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	

WELL OWNER'S NAME/COMPANY NAME

**General Mills**

Well owner's mailing address if different than property owner's address indicated above

**Number One General Mills Boulevard  
Minneapolis MN 55426**

SCREEN/OPEN HOLE

Screen from **50** to **52** ft. Open Hole from \_\_\_\_\_ to \_\_\_\_\_ ft.

OBSTRUCTIONS

☐ Rods/Drop Pipe ☐ Check Valve(s) ☐ Debris ☐ Fill ☒ No Obstruction

Type of Obstructions (Describe)

Obstructions removed? ☐ Yes ☐ No Describe

PUMP

Type  
☐ Removed ☒ Not Present ☐ Other

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

☒ No Annular Space Exists ☐ Annular Space Grouted with Tremie Pipe ☐ Casing Perforation/Removal  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed

Type of Perforator

☐ Other

GROUTING MATERIAL(S)

(One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material **Cement** from **0** to **52** ft. \_\_\_\_\_ yards **3/4** bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

OTHER WELLS AND BORINGS

Other unsealed and unused well or boring on property? ☐ Yes ☒ No How many?

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

**T.L. Stevens Well Company**

**1838**

Licensee Business Name

License or Registration No.

Certified Representative Signature

**898**

Certified Rep. No.

**11/06/2013**

Date

**Joe Stevens**

Name of Person Sealing Well or Boring

MINN. DEPT. OF HEALTH COPY

H 316728

WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

**H 316729**

Township Name  
**Minneapolis**

Township No. **29** Range No. **23** Section No. **18** Fraction (sm. → lg.) **SW SE SW**

Date Sealed **08/22/2013** Date Well or Boring Constructed **07/18/1982**

GPS LOCATION: Latitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds  
Longitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds

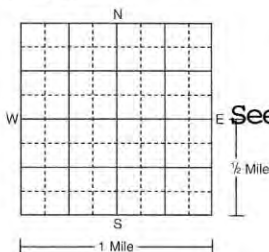
Depth Before Sealing **61** ft. Original Depth **61** ft.

Numerical Street Address or Fire Number and City of Well or Boring Location  
**2021 Hennepin Avenue East  
Minneapolis MN 55413**

AQUIFER(S)  
☒ Single Aquifer ☐ Multiaquifer  
WELL/BORING  
☐ Water-Supply Well ☒ Monit. Well  
☐ Env. Bore Hole ☐ Other \_\_\_\_\_  
STATIC WATER LEVEL  
☒ Measured ☐ Estimated Date Measured **08/22/2013**  
**30** ft. ☒ below ☐ above land surface

Show exact location of well or boring in section grid with "X."

Sketch map of well or boring location, showing property lines, roads, and buildings.



Well: **SS**

See attached map

CASING TYPE(S)  
☐ Steel ☒ Plastic ☐ Tile ☐ Other \_\_\_\_\_

WELLHEAD COMPLETION  
Outside: ☐ Well House ☐ At Grade ☐ Pitless Adapter/Unit ☐ Well Pit ☒ Other **Cover pipe**  
Inside: ☐ Basement Offset ☐ Well Pit ☐ Buried ☐ Other \_\_\_\_\_

PROPERTY OWNER'S NAME/COMPANY NAME  
**City Of Minneapolis**  
Property owner's mailing address if different than well location address indicated above

CASING(S)  
Diameter \_\_\_\_\_ Depth \_\_\_\_\_ Set in oversize hole? ☐ Yes ☒ No Annular space initially grouted? ☐ Yes ☐ No ☒ Unknown  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Yes ☐ No ☐ Yes ☐ No ☐ Unknown  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Yes ☐ No ☐ Yes ☐ No ☐ Unknown

**250 South 4th Street  
Minneapolis MN 55415**

WELL OWNER'S NAME/COMPANY NAME  
**General Mills**  
Well owner's mailing address if different than property owner's address indicated above

SCREEN/OPEN HOLE  
Screen from **59** to **61** ft. Open Hole from \_\_\_\_\_ to \_\_\_\_\_ ft.

**Number One General Mills Blvd  
Minneapolis MN 55426**

OBSTRUCTIONS  
☐ Rods/Drop Pipe ☐ Check Valve(s) ☐ Debris ☐ Fill ☒ No Obstruction  
Type of Obstructions (Describe) \_\_\_\_\_

GEOLOGICAL MATERIAL COLOR HARDNESS OR FORMATION FROM TO

Obstructions removed? ☐ Yes ☐ No Describe \_\_\_\_\_

If not known, indicate estimated formation log from nearby well or boring.

PUMP  
Type \_\_\_\_\_  
☐ Removed ☒ Not Present ☐ Other \_\_\_\_\_

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:  
☒ No Annular Space Exists ☐ Annular Space Grouted with Tremie Pipe ☐ Casing Perforation/Removal  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed  
Type of Perforator \_\_\_\_\_  
☐ Other \_\_\_\_\_

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)  
Grouting Material **Cement** from **0** to **61** ft. \_\_\_\_\_ yards **1.25** bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

OTHER WELLS AND BORINGS  
Other unsealed and unused well or boring on property? ☐ Yes ☒ No How many? \_\_\_\_\_

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION  
This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

**T.L. Stevens Well Company** **1838**  
Licensee Business Name License or Registration No.  
 **898** **11/06/2013**  
Certified Representative Signature Certified Rep. No. Date  
**Joe Stevens**  
Name of Person Sealing Well or Boring

MINN. DEPT. OF HEALTH COPY

**H 316729**



WELL OR BORING LOCATION  
County Name  
**Hennepin**

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING SEALING RECORD**  
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring  
Sealing No.  
Minnesota Unique Well No.  
or W-series No.  
(Leave blank if not known)

H 316730

Township Name <b>Minneapolis</b>	Township No. <b>29</b>	Range No. <b>23</b>	Section No. <b>18</b>	Fraction (sm. → lg.) <b>SW 1/4 SW 1/4 SE 1/4</b>	Date Sealed <b>08/22/2013</b>	Date Well or Boring Constructed <b>10/28/1982</b>
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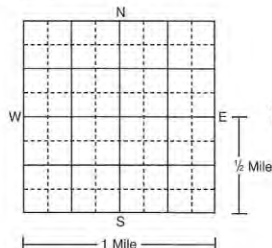
GPS LOCATION: Latitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds  
Longitude \_\_\_\_\_ degrees \_\_\_\_\_ minutes \_\_\_\_\_ seconds

Numerical Street Address or Fire Number and City of Well or Boring Location

**2115 Hennepin Avenue East  
Minneapolis MN 55413**

Show exact location of well or boring  
in section grid with "X."

Sketch map of well or boring  
location, showing property  
lines, roads, and buildings.



Well: **UU**

See attached map

Depth Before Sealing **63** ft. Original Depth **63** ft.

AQUIFER(S)  
☒ Single Aquifer ☐ Multiaquifer

WELL/BORING

☐ Water-Supply Well ☒ Monit. Well

☐ Env. Bore Hole ☐ Other \_\_\_\_\_

STATIC WATER LEVEL

☒ Measured ☐ Estimated Date Measured **08/22/2013**

**28** ft. ☒ below ☐ above land surface

CASING TYPE(S)

☐ Steel ☒ Plastic ☐ Tile ☐ Other \_\_\_\_\_

WELLHEAD COMPLETION

Outside: ☐ Well House

☐ At Grade

Inside: ☐ Basement Offset

☐ Pitless Adapter/Unit

☐ Buried

☐ Well Pit

☐ Well Pit

☐ Buried

☒ Other **Pipe cover**

☐ Other \_\_\_\_\_

PROPERTY OWNER'S NAME/COMPANY NAME

**City Of Minneapolis**

Property owner's mailing address if different than well location address indicated above

**250 South 4th Street  
Minneapolis MN 55415**

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
<b>2</b> in. from <b>0</b> to <b>61</b> ft.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
_____ in. from _____ to _____ ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
_____ in. from _____ to _____ ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	

WELL OWNER'S NAME/COMPANY NAME

**General Mills**

Well owner's mailing address if different than property owner's address indicated above

**Number One General Mills Blvd  
Minneapolis MN 55426**

SCREEN/OPEN HOLE

Screen from **61** to **63** ft. Open Hole from \_\_\_\_\_ to \_\_\_\_\_ ft.

OBSTRUCTIONS

☐ Rods/Drop Pipe ☐ Check Valve(s) ☐ Debris ☐ Fill ☒ No Obstruction

Type of Obstructions (Describe) \_\_\_\_\_

GEOLOGICAL MATERIAL	COLOR	HARDNESS OR FORMATION	FROM	TO
If not known, indicate estimated formation log from nearby well or boring.				

Obstructions removed? ☐ Yes ☐ No Describe \_\_\_\_\_

PUMP

Type  
☐ Removed ☒ Not Present ☐ Other \_\_\_\_\_

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

☒ No Annular Space Exists ☐ Annular Space Grouted with Tremie Pipe ☐ Casing Perforation/Removal  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed  
\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft. ☐ Perforated ☐ Removed

Type of Perforator \_\_\_\_\_

☐ Other \_\_\_\_\_

GROUTING MATERIAL(S)

(One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material **Cement** from **0** to **63** yards **1.25** bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ yards \_\_\_\_\_ bags

OTHER WELLS AND BORINGS

Other unsealed and unused well or boring on property? ☐ Yes ☒ No How many? \_\_\_\_\_

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

**T.L. Stevens Well Company**

**1838**

Licensee Business Name

License or Registration No.

Certified Representative Signature

**898**

**11/06/2013**

Certified Rep. No.

Date

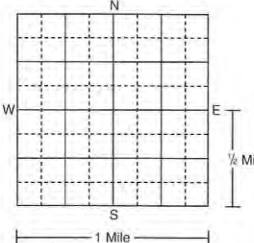
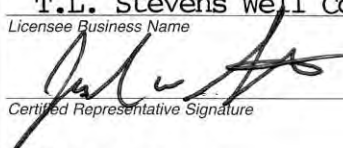
**Joe Stevens**

Name of Person Sealing Well or Boring

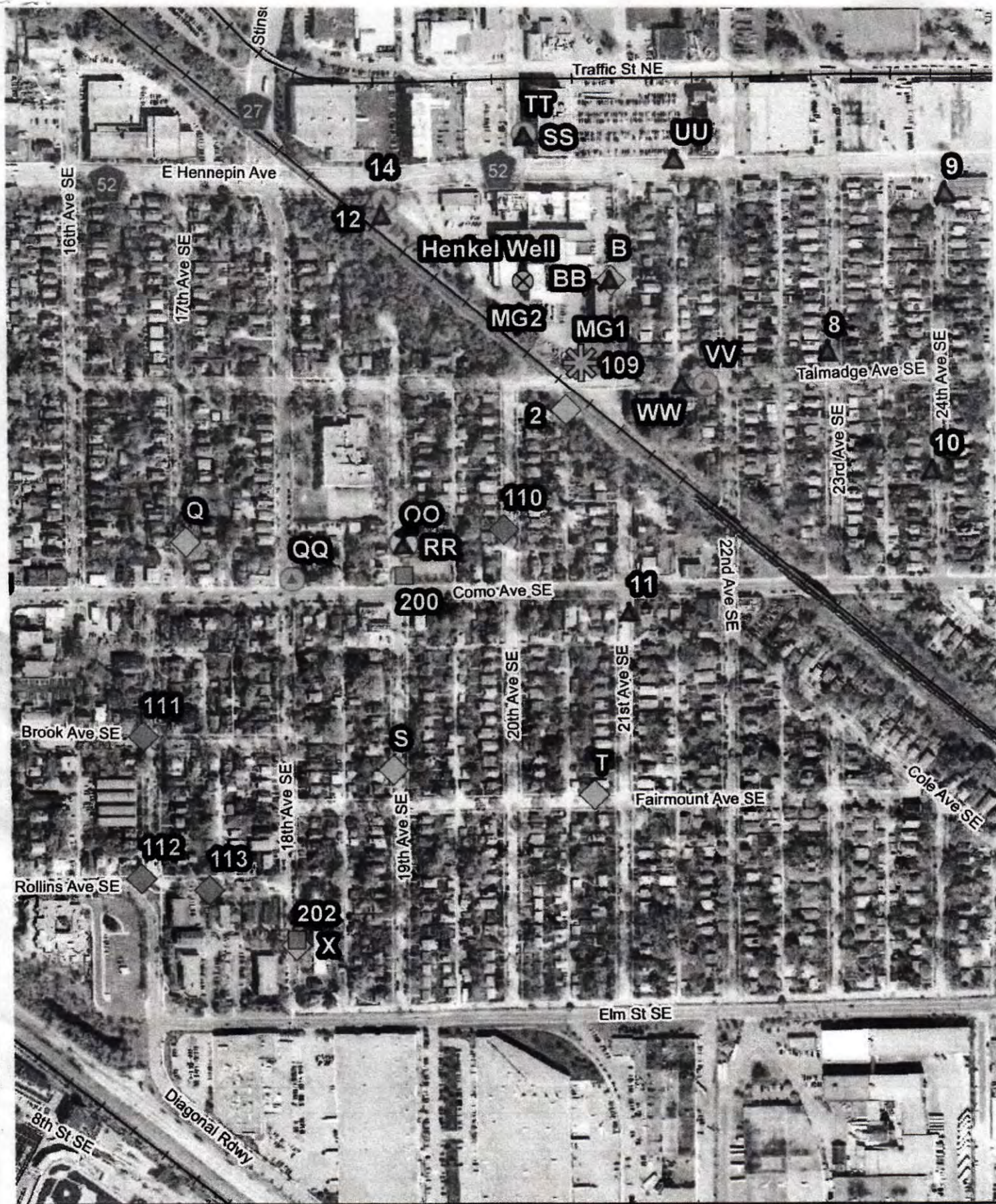
MINN. DEPT OF HEALTH COPY

H 316730



<b>MINNESOTA DEPARTMENT OF HEALTH</b> <b>WELL AND BORING SEALING RECORD</b> <i>Minnesota Statutes, Chapter 1031</i>					Minnesota Well and Boring Sealing No. Minnesota Unique Well No. or W-series No. <small>(Leave blank if not known)</small>		<b>H 316731</b>
WELL OR BORING LOCATION County Name <b>Hennepin</b>							
Township Name	Township No.	Range No.	Section No.	Fraction (sm. → lg.)	Date Sealed	Date Well or Boring Constructed	
<b>Minneapolis</b>	<b>29</b>	<b>23</b>	<b>19</b>	<b>NW SW NE</b>	<b>08/22/2013</b>	<b>11/08/1982</b>	
GPS LOCATION: Latitude _____ degrees _____ minutes _____ seconds Longitude _____ degrees _____ minutes _____ seconds					Depth Before Sealing <b>60</b> ft. Original Depth <b>60</b> ft.		
Numerical Street Address or Fire Number and City of Well or Boring Location <b>2112 Talmage Avenue SE</b> <b>Minneapolis MN 55414</b> <small>Show exact location of well or boring in section grid with "X."</small>					AQUIFER(S) <input checked="" type="checkbox"/> Single Aquifer <input type="checkbox"/> Multiaquifer WELL/BORING <input type="checkbox"/> Water-Supply Well <input checked="" type="checkbox"/> Monit. Well <input type="checkbox"/> Env. Bore Hole <input type="checkbox"/> Other _____		STATIC WATER LEVEL <input checked="" type="checkbox"/> Measured <input type="checkbox"/> Estimated Date Measured <b>08/22/2013</b> <b>22</b> ft. <input checked="" type="checkbox"/> below <input type="checkbox"/> above land surface
Sketch map of well or boring location, showing property lines, roads, and buildings.  <div style="text-align: center;">  <p>Well: <b>WW</b></p> <p>See attached map</p> </div>					CASING TYPE(S) <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Tile <input type="checkbox"/> Other _____		
PROPERTY OWNER'S NAME/COMPANY NAME <b>City Of Minneapolis</b> <small>Property owner's mailing address if different than well location address indicated above</small> <b>250 South 4th Street</b> <b>Minneapolis MN 55415</b>					WELLHEAD COMPLETION Outside: <input type="checkbox"/> Well House <input type="checkbox"/> At Grade <input type="checkbox"/> Pitless Adapter/Unit <input type="checkbox"/> Buried <input type="checkbox"/> Well Pit <input checked="" type="checkbox"/> Other <b>Cover pipe</b> Inside: <input type="checkbox"/> Basement Offset <input type="checkbox"/> Well Pit <input type="checkbox"/> Buried <input type="checkbox"/> Other _____		
WELL OWNER'S NAME/COMPANY NAME <b>General Mills</b> <small>Well owner's mailing address if different than property owner's address indicated above</small> <b>Number One General Mills Blvd</b> <b>Minneapolis MN 55426</b>					CASING(S) Diameter _____ in. from <b>0</b> to <b>58</b> ft. Set in oversize hole? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Annular space initially grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown _____ in. from _____ to _____ ft. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown _____ in. from _____ to _____ ft. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
GEOLOGICAL MATERIAL COLOR HARDNESS OR FORMATION FROM TO If not known, indicate estimated formation log from nearby well or boring.					SCREEN/OPEN HOLE Screen from <b>58</b> to <b>60</b> ft. Open Hole from _____ to _____ ft.		
					OBSTRUCTIONS <input type="checkbox"/> Rods/Drop Pipe <input type="checkbox"/> Check Valve(s) <input type="checkbox"/> Debris <input type="checkbox"/> Fill <input checked="" type="checkbox"/> No Obstruction Type of Obstructions (Describe) _____		
					Obstructions removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____		
					PUMP Type _____ <input type="checkbox"/> Removed <input checked="" type="checkbox"/> Not Present <input type="checkbox"/> Other _____		
					METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE: <input checked="" type="checkbox"/> No Annular Space Exists <input type="checkbox"/> Annular Space Grouted with Tremie Pipe <input type="checkbox"/> Casing Perforation/Removal _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed _____ in. from _____ to _____ ft. <input type="checkbox"/> Perforated <input type="checkbox"/> Removed Type of Perforator _____ <input type="checkbox"/> Other _____		
					GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.) Grouting Material <b>Cement</b> from <b>0</b> to <b>60</b> ft. _____ yards <b>1.5</b> bags _____ from _____ to _____ ft. _____ yards _____ bags _____ from _____ to _____ ft. _____ yards _____ bags		
REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING					OTHER WELLS AND BORINGS Other unsealed and unused well or boring on property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How many? _____		
					LICENSED OR REGISTERED CONTRACTOR CERTIFICATION This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.		
					<div style="display: flex; justify-content: space-between;"> <div> <b>T.L. Stevens Well Company</b>  <small>Licensee Business Name</small>    <small>Certified Representative Signature</small> </div> <div> <b>1838</b>  <small>License or Registration No.</small>  <b>898</b> <b>11/06/2013</b>  <small>Certified Rep. No. Date</small> </div> </div>		
MINN. DEPT. OF HEALTH COPY					<b>H 316731</b>		
Name of Person Sealing Well or Boring <b>Joe Stevens</b>							





I Site

or Well (To Be Sealed)

3

600

22



Well	Type	Address (Closest Parcel to Well)
8	Carimona Member Monitoring Well	1061 23RD AVE SE, MINNEAPOLIS 55413
9	Carimona Member Monitoring Well	2400 HENNEPIN AVE E, MINNEAPOLIS 55413
10	Carimona Member Monitoring Well	1037 24TH AVE SE, MINNEAPOLIS 55414
11	Carimona Member Monitoring Well	2100 COMO AVE SE, MINNEAPOLIS 55414
12	Carimona Member Monitoring Well	2010 HENNEPIN AVE E, MINNEAPOLIS 55413
BB	Carimona Member Monitoring Well	2010 HENNEPIN AVE E, MINNEAPOLIS 55413
OO	Magnolia Member Monitoring Well	1008 19TH AVE SE, MINNEAPOLIS 55414
RR	Carimona Member Monitoring Well	1008 19TH AVE SE, MINNEAPOLIS 55414
SS	Carimona Member Monitoring Well	2021 HENNEPIN AVE E, MINNEAPOLIS 55413
UU	Carimona Member Monitoring Well	2115 HENNEPIN AVE E, MINNEAPOLIS 55413
WW	Carimona Member Monitoring Well	2112 TALMAGE AVE SE, MINNEAPOLIS 55414